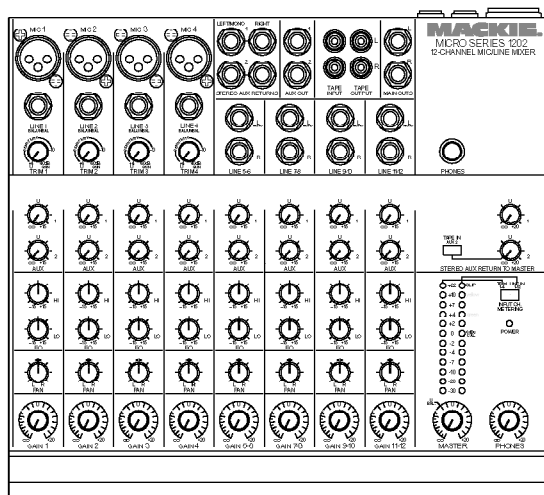


MACKIE®

12-CHANNEL MIC/LINE MIXER

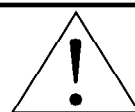


SERVICE MANUAL



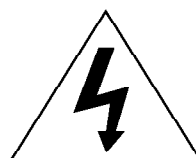
SERVICE ON THIS EQUIPMENT IS TO BE PERFORMED BY
EXPERIENCED REPAIR TECHNICIANS ONLY

CONFIER L'ENTRETIEN AU PERSONNEL QUALIFIE



CAUTION AVIS

RISK OF ELECTRIC SHOCK
DO NOT OPEN
*RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR*



CAUTION: TO REDUCE THE RISK OF
ELECTRIC SHOCK DO NOT REMOVE
THE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED
PERSONNEL

WARNING: TO REDUCE THE RISK OF
FIRE OR ELECTRIC SHOCK, DO NOT
EXPOSE THIS PRODUCT TO RAIN OR
MOISTURE

TO PREVENT ELECTRIC SHOCK, DO
NOT USE THIS POLARIZED PLUG WITH
AN EXTENSION CORD, RECEPTACLE OR
OTHER OUTLET UNLESS THE BLADES
CAN BE FULLY INSERTED TO PREVENT
BLADE EXPOSURE.

ATTENTION: POUR EVITER LES
RISQUES DE CHOC ELECTRIQUE, NE
PAS ENLEVER LE COUVERCLE. AUCUN
ENTRETIEN DE PIECES INTERIEURES
PAR L'USAGER. CONFIER L'ENTRETIEN
AU PERSONNEL QUALIFIE.

AVIS: POUR EVITER LES RISQUES
D'INCENDIE OU D'ELECTROCUTION,
N'EXPOSEZ PAS CET ARTICLE A LA
PLUIE OU A L'HUMIDITE.

POUR PREVENIR LES CHOCES
ELECTRIQUES NE PAS UTILISER CETTE
FICHE POLARISEE AVEC UN
PROLONGATEUR, UN PRISE DE
COURANT OU UNE AUTRE SORTIE DE
COURANT, SAUF SI LES LAMES
PEUVENT ETRE INSEREES A FOND
SANS LAISSER AUCUNE PARTIE A
DECOUVERT.

This apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

ATTENTION :Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de class A/de class B (selon le cas) prescrites dans le règlement sur le brouillage radioélectrique édicté par les ministere des communications du Canada.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio energy and, if not installed properly and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Le symbole éclair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de "voltage dangereux" non isolé d'ampleur suffisante pour constituer un risque d'électrocution.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.

CONTENTS

INTRODUCTION	3
Technical Support	3
Disclaimer	3
BLOCK DIAGRAM	4
QUICK PARTS.....	5-6
FOLD-OUT SECTIONS:	
Schematics	07-1
PCB Layout.....	07-4

INTRODUCTION



This manual contains basic service information. It is essential that you have a copy of the user's manual as this contains the complete operating instructions.



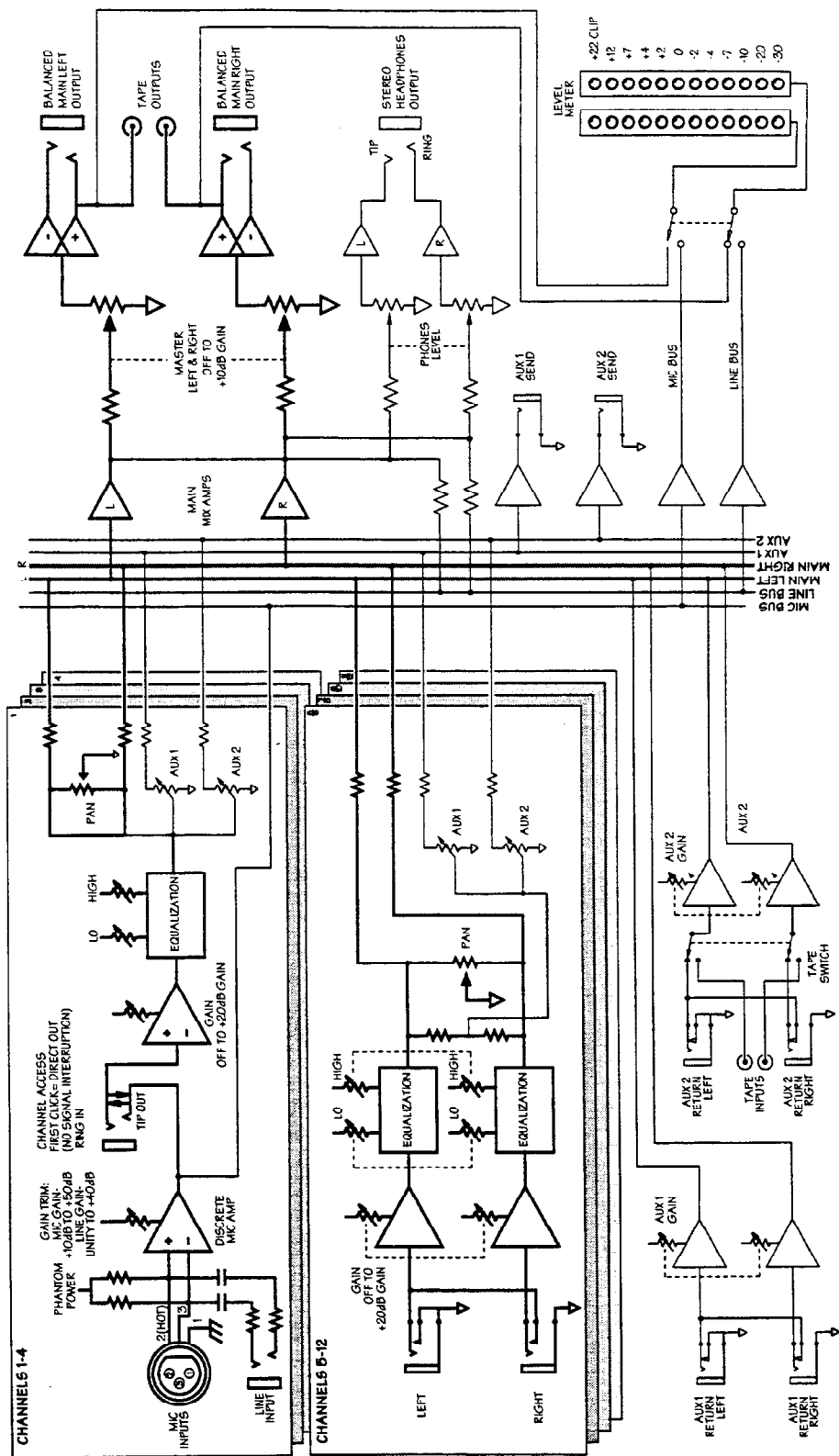
SERVICE TECHNICAL ASSISTANCE

Mackie Designs, Service Technical Assistance, is available 8AM - 5PM PST, Monday through Friday for Authorized Mackie Service Centers, at 1-800-258-6883. Feel free to call with any questions and speak with a carefully-calibrated technician. If one is not available, leave a detailed message and a qualified Mackoid will return your call asap.

DISCLAIMER

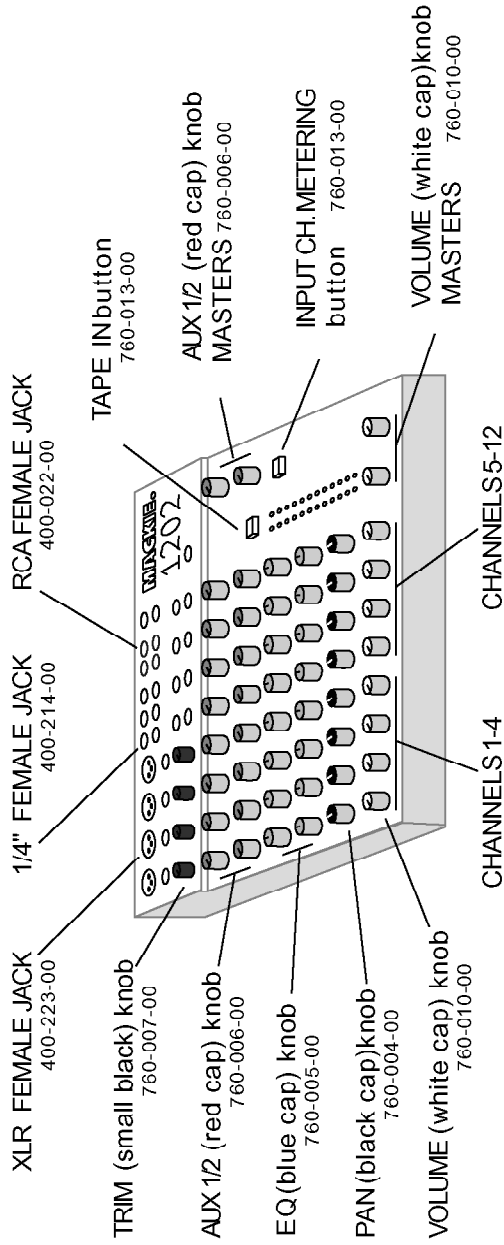
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MACKIE. MS1202 SERVICE MANUAL

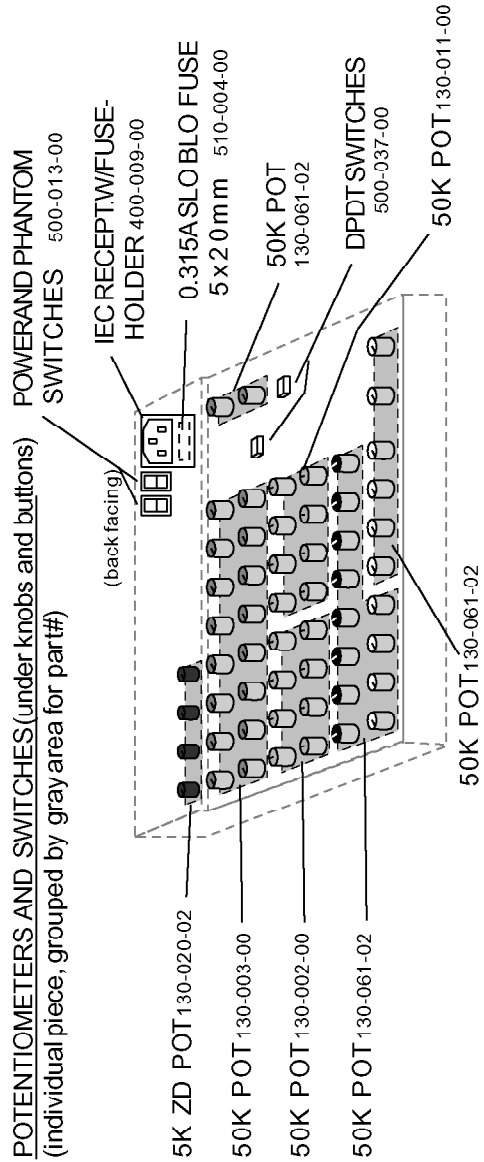


QUICK PARTS

KNOBS AND BUTTONS (individual piece, same across row)



POTENTIOMETERS AND SWITCHES (under knobs and buttons) (individual piece, grouped by gray area for part#)

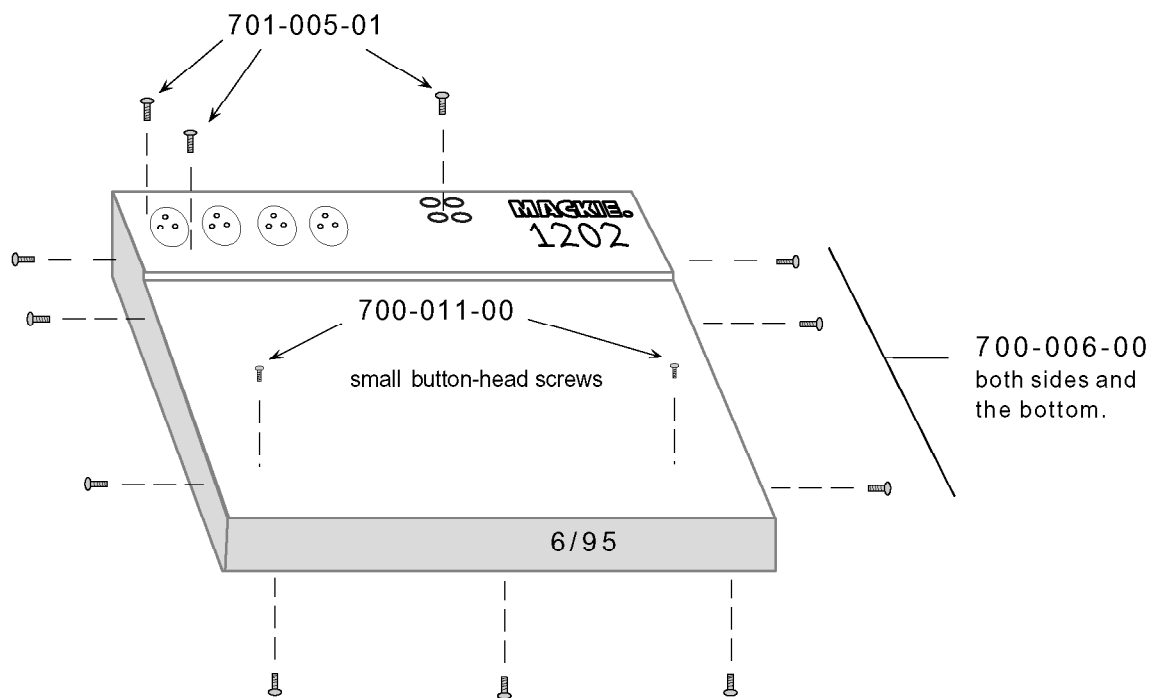


..OTHER STUFF..

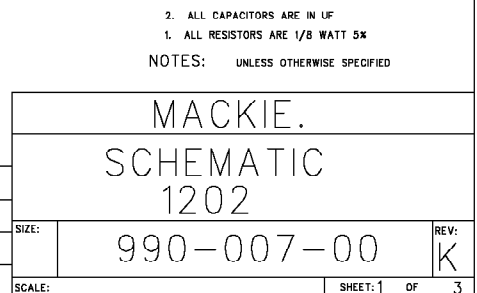
- LED'S
 - RED 304-001-00
 - YELLOW 304-003-00
 - GREEN 304-004-00
- OWNER'S MANUAL 820-005-00
- LINE CORD 6 IEC 10 A 640-001-00

05/99

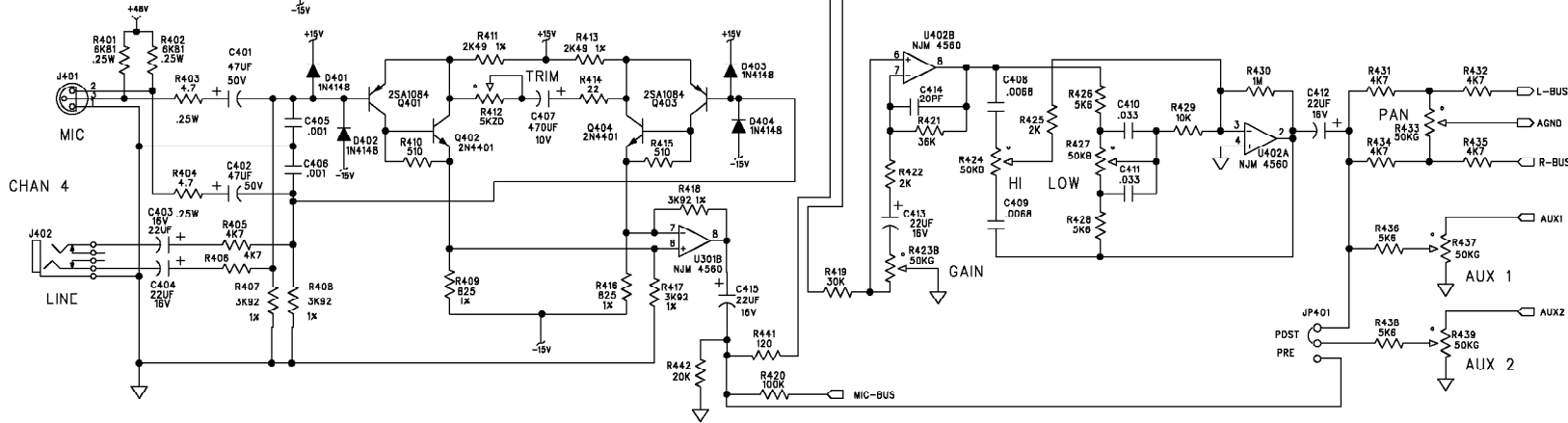
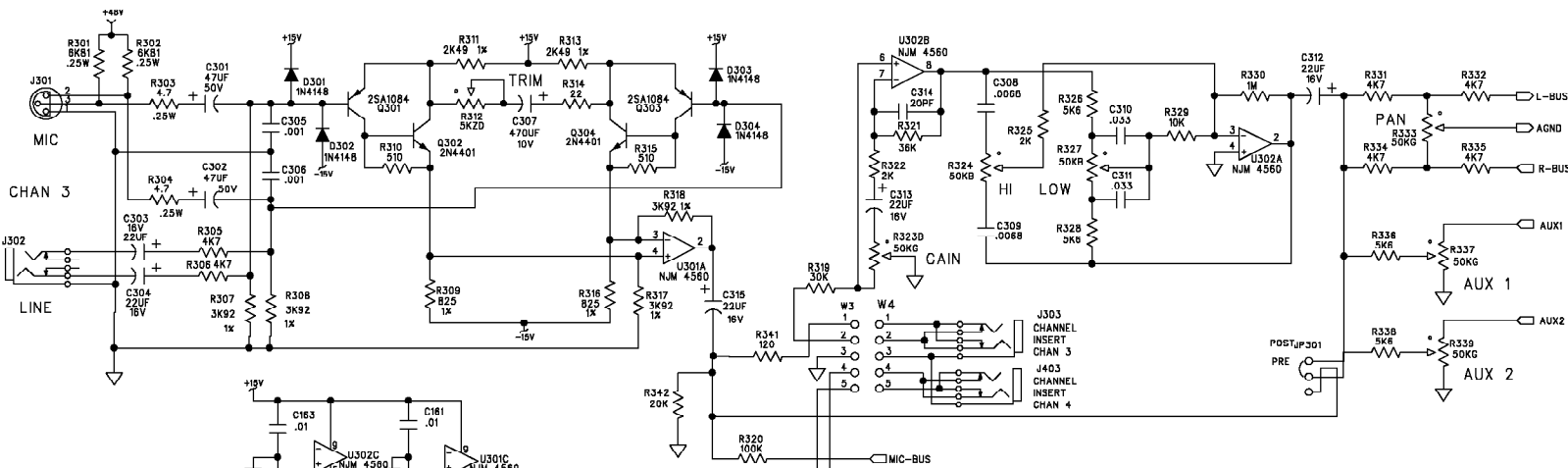
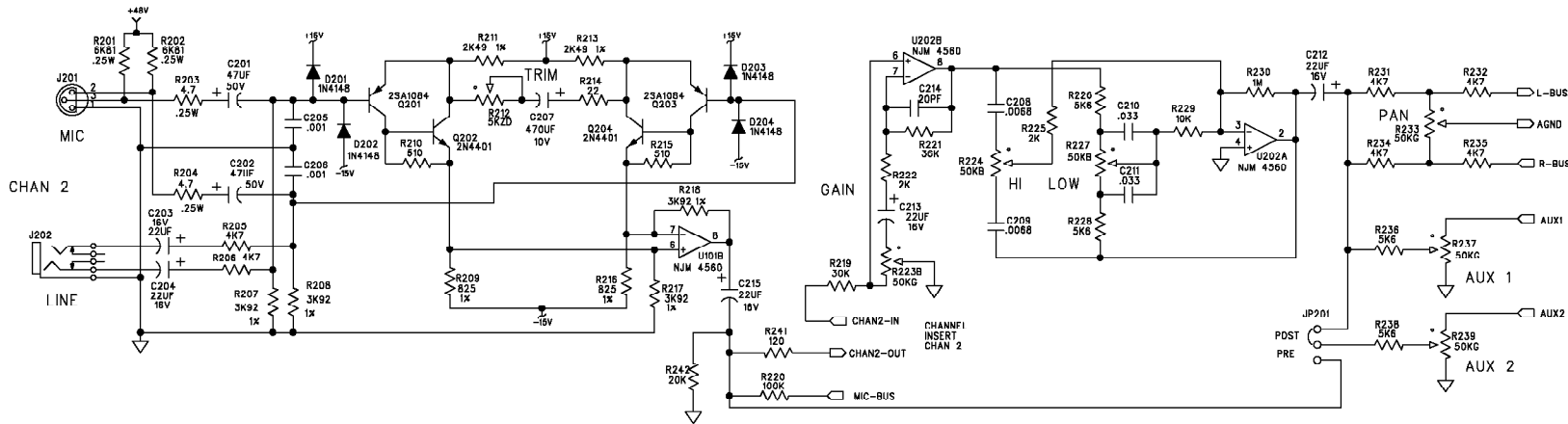
QUICK SCREWS



700-006-00
(star ground)



REVISION RECORD		
LTR	REVISION	DATE:
	SEE SHEET 1	



- | | |
|------------|----------------------|
| 450-007-00 | 1202 CIRCUIT BOARD |
| 700-011-00 | SCREW BTN HD |
| 700-011-00 | SCREW BTN HD |
| 760-003-00 | BUTTON SW 9X5 MM |
| 760-003-00 | BUTTON SW 9X5 MM |
| 700-012-00 | SCREW PHP 4-40 X 3/8 |
| 700-012-00 | SCREW PHP 4-40 X 3/8 |
| 706-009-00 | STANDOFF NYLON BIVAR |
| 706-009-00 | STANDOFF NYLON BIVAR |
| 706-009-00 | STANDOFF NYLON BIVAR |
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| 706-009-00 | STANDOFF NYLON BIVAR |
| 706-009-00 | STANDOFF NYLON BIVAR |
| 706-009-00 | STAND OFF SWAGE |
| 706-009-00 | STAND OFF SWAGE |
| 706-007-00 | STAND OFF |
| 706-007-00 | STAND OFF |
| 706-007-00 | STAND OFF |
| 706-007-00 | STAND OFF |
| 706-007-00 | STAND OFF |
| 706-007-00 | STAND OFF |
| 705-005-00 | KEPNUT |
| 705-005-00 | KEPNUT |

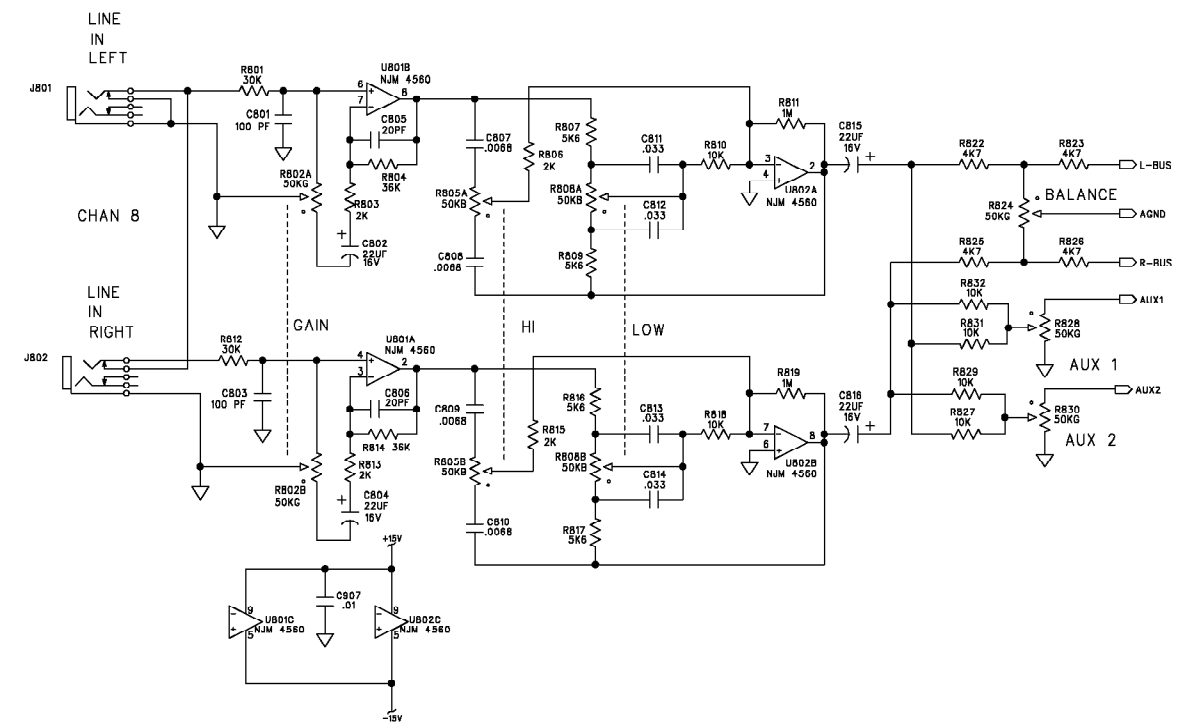
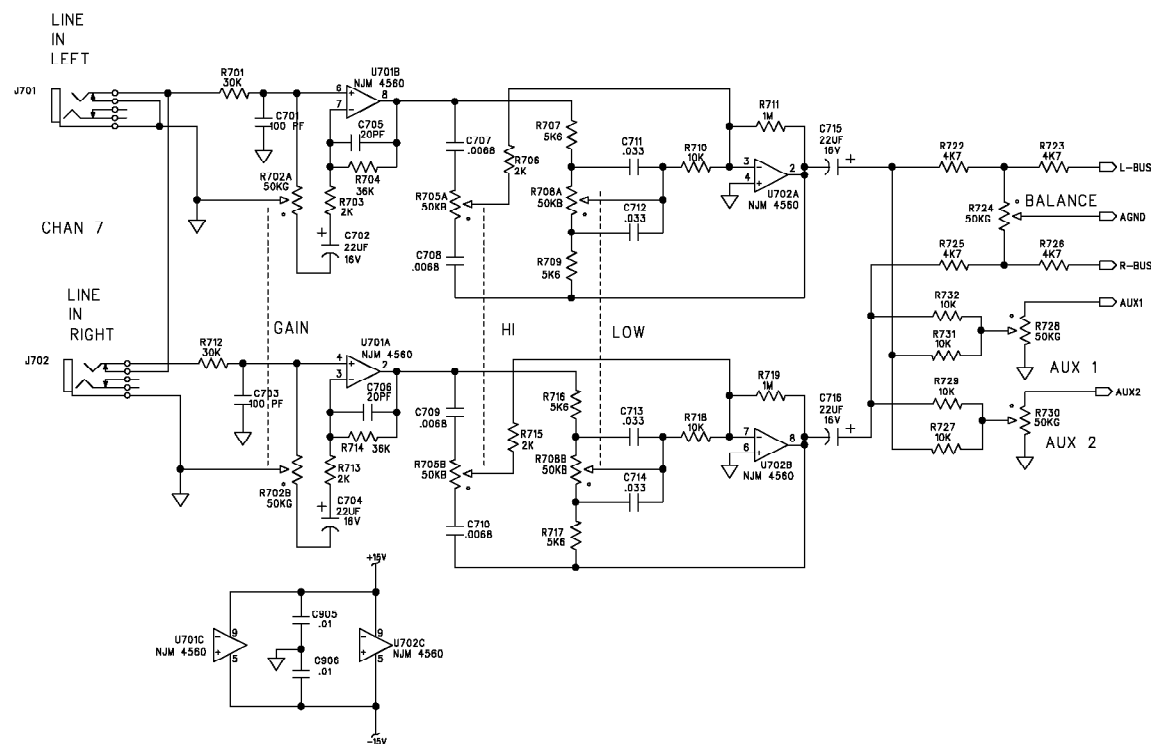
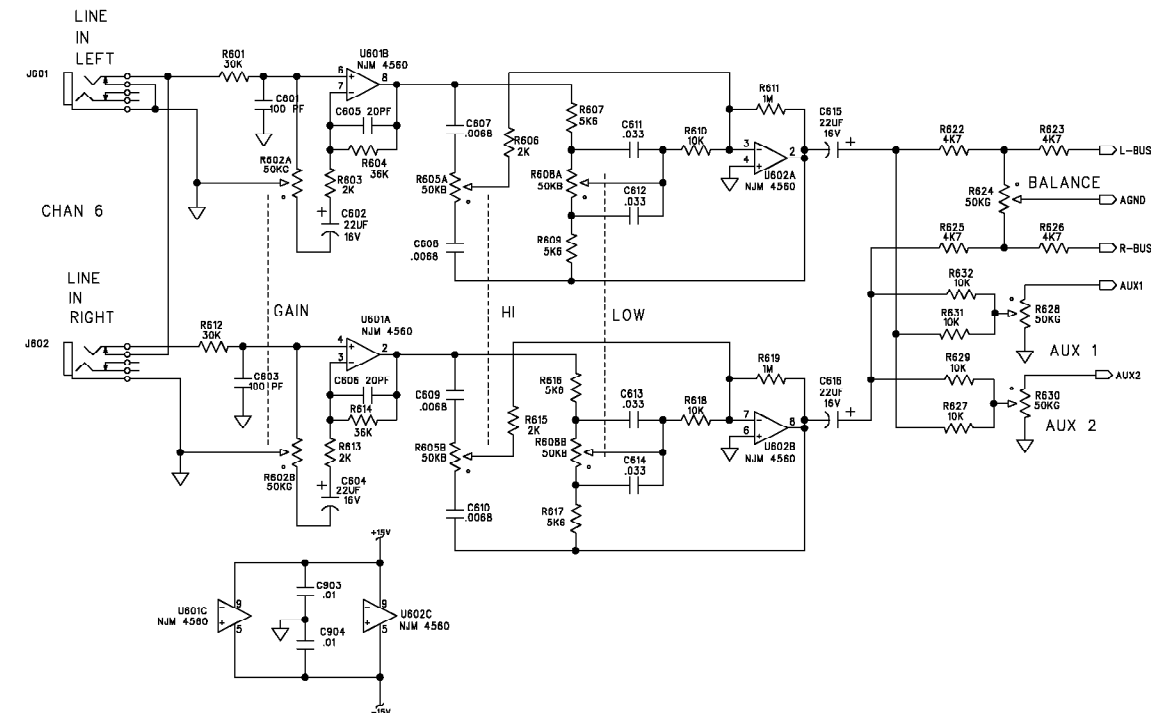
- | | |
|------------|-----------|
| 550-028-00 | HEAT SINK |
| 550-028-00 | HEAT SINK |

MA CKIE.

SCHEMATIC 12

DRAWN: CHUCK	DATE: 0-0-91	SCHEMATIC 1202		
CHECKED:	DATE:			
QUALITY CONTROL:	DATE:	SIZE	990-007-00	REV: K
RELEASED:	DATE:	SCALE:	SHEET: 2 OF 3	

REVISION RECORD		
LTR	ECO NO:	DATE
	SEE SHEET 1	



DRAWN:	CHUCK	DATED:	0-0-91
CHECKED:		DATED:	
QUALITY CONTROL:		DATED:	
RELEASED:		DATED:	

MACKIE.	
SCHEMATIC 1202	
SIZE:	
DRAWING NO:	990-007-00
REV:	K
SCALE:	
SHEET:	3 OF 3

